APPLICANTS: Gal Shachor
SERIAL NO.: 10/697,183
FILED: October 30, 2003
Page 3

CLAIM LISTING

1. (Currently amended) A method of managing a storage, wherein the storage includes a faster access part and a slower access part, comprising:

examining a Digital Image Communications in Medicine (DICOM) modality worklist, generated by a hospital information system (HIS) or radiology information system (RIS), -which schedules at least one modality to perform at least one task; and

ensuring that in the faster access part there is available at least some data which based on at least one predetermined rule is deemed likely to be accessed in connection to said at least one task to be performed by said at least one modality scheduled by said worklist.

2. (Original) The method of claim 1, wherein said examining includes: examining a task description of said at least one task, said task description included in said worklist

3. (Original) The method of claim 1, wherein said examining includes: examining information about said at least one modality, said information about said at least one modality included in said worklist.

4. (Original) The method of claim 1, wherein at least one of said at least one predetermined rules is tailored to at least one specific information consumer

5. (Original) The method of claim 1, wherein said ensuring includes: transferring data from the slower access part of the storage to the faster access part of the storage.

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.: 10/697,183
FILED: October 30, 2003
Page 4

6. (Original) The method of claim 1, wherein said ensuring includes: copying data from the slower access part of the storage to the faster access part of the storage.

7. (Original) The method of claim 1, wherein said ensuring includes: ensuring that reference data which is deemed likely to be accessed is available in the faster access part of the storage.

8 (Original) The method of claim 1, wherein said ensuring includes: ensuring that historical data which is deemed likely to be accessed is available in the faster access part of the storage.

9. (Currently amended) The method of claim 8~~7~~, wherein said historical data is about a specific object on which said task is to be performed.

10. (Currently amended) The method of claim 9~~8~~, wherein said object is a body part of a patient.

11. (Currently amended) The method of claim 1, wherein said ~~worklist is a Digital Image Communications in Medicine (DICOM) modality worklist and said~~ modality is an image acquisition machine.

12. (Currently amended) A method of managing a medical storage, wherein the storage includes a faster access part and a slower access part, comprising:

querying a hospital information system (HIS) or radiology information system (RIS) ~~Digital Image Communications in Medicine (DICOM) modality worklist service~~ and receiving data related to at least one task which a ~~said~~ Digital Image Communications in Medicine (DICOM) modality worklist,- generated by said HIS or RIS, has scheduled at least one ~~image acquisition machine~~ modality to perform; and

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.:   10/697,183
FILED: October 30, 2003
Page 5

ensuring that in the faster access part there is available at least some data
which based on at least one predetermined rule is deemed likely to be accessed in
connection to said at least one task which said DICOM modality worklist has
scheduled said at least one modality image-acquisition-machine-to perform.

13.   (Currently amended) A system for storage management, comprising:

at least one modality configured to perform at least one task in accordance
with a scheduling by at least one Digital Image Communications in Medicine
(DICOM) modality worklist generated by a hospital information system (HIS) or
radiology information system (RIS);

a storage configured to store data, including a faster access part and a slower
access part; and

a prefetcher configured to examine said at least one worklist and configured
to ensure that at least some data deemed likely to be accessed in connection to
said at least one task is present in said faster access part of said storage.

14.   (Currently amended) The system of claim 13, further comprising:

an HIS or RIS at-least-one-worklist-generator-configured to generate said at
least one worklist.

15.   (Original) The system of claim 13, further comprising:

at least one information consumer configured to access data stored in said
storage.

16.   (Cancelled)

17.   (Currently amended) The system of claim 146, wherein said HIS or RIS
and said prefetcher are configured to communicate communication-protocol-is-in
accordance with the Digital Image Communications in Medicine (DICOM)
standard.

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.:   10/697,183
FILED: October 30, 2003
Page 6

18.   (Cancelled)

————19.   (Currently amended) The system of claim 13, wherein at least one of said modalities is A system for medical storage management, comprising: an

————at least one image acquisition machine. configured to perform at least one task in accordance with a scheduling by at least one Digital Image Communications in Medicine (DICOM) modality worklist

————a storage configured to store data, including a faster access part and a slower access part; and

————a prefetcher configured to examine said at least one worklist and configured to ensure that at least some data deemed likely to be accessed in connection to said at least one task is present in said faster access part of said storage.

20.   (Cancelled)

21.   (Currently amended) A system for prefetching, comprising:

        a worklist examiner configured to examine a Digital Image Communications in Medicine DICOM modality worklist generated by a hospital information system (HIS) or radiology information system (RIS) and determine at least one type of data likely to be accessed, said at least one type of data being related to a task to be performed by a modality scheduled by said worklist;

        a cross referencer configured to compare said at least one type of data with data stored for an entity identified for said task; and

        a retriever configured to transfer or copy data stored for said identified entity which is of at least one of said types and is available only in a slower access part of a storage to a faster access part of said storage.

22.   (Original) The system of claim 21, further comprising:

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.: 10/697,183
FILED: October 30, 2003
Page 7

a rules storage configured to store at least one rule which allow said worklist examiner to determine said at least one type of data likely to be accessed.

23. (Original) The system of claim 21, further comprising:

an internal database configured to save data from said worklist about said at least one task.

24. (Cancelled)

25. (Currently amended) A computer program product comprising a computer useable medium having computer readable program code embodied therein foref managing a storage, wherein the storage includes a faster access part and a slower access part, the computer program product comprising:

computer readable program code for causing the computer to examine a Digital Image Communications in Medicine (DICOM) modality worklist, generated by a hospital information system (HIS) or radiology information system (RIS), which schedules at least one modality to perform at least one task; and

computer readable program code for causing the computer to ensure that in the faster access part there is available at least some data which based on at least one predetermined rule is deemed likely to be accessed in connection to said at least one task to be performed by said at least one modality scheduled by said worklist.

26. (Cancelled)

27. (Currently amended) A computer program product comprising a computer useable medium having computer readable program code embodied therein foref managing a medical storage, wherein the storage includes a faster access part and a slower access part, the computer program product comprising:

computer readable program code for causing the computer to querying a hospital information system (HIS) or radiology information

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.:   10/697,183
FILED: October 30, 2003
Page 8

system (RIS) ~~Digital Image Communications in Medicine (DICOM) modality worklist service~~ and receiv~~ing~~ing data related to at least one task which ~~said~~ a Digital Image Communications in Medicine (DICOM) modality worklist, generated by said HIS or RIS, has scheduled at least one modality ~~image acquisition machine~~ to perform; and

> computer readable program code for causing the computer to ensure that in the faster access part there is available at least some data which based on at least one predetermined rule is deemed likely to be accessed in connection to said at least one task which said DICOM modality worklist has scheduled said at least one modality ~~image acquisition machine~~ to perform.

28. (New) A method for getting ready for a task assigned by a Digital Image Communication in Medicine (DICOM) modality worklist, comprising:

> querying a hospital information system (HIS) or radiology information system (RIS) relating to at least one task which a DICOM modality worklist, generated by said HIS or RIS, has scheduled at least one modality to perform; and
> getting ready for said task .

29. (New) The method of claim 28, wherein said getting ready for said task, includes: ensuring that in a faster access part of a medical storage which includes a faster access part and a slower access part there is available at least some data which based on at least one predetermined rule is deemed likely to be accessed in connection to said at least one task which said DICOM modality worklist has scheduled said at least one modality to perform.

30 (New) The method of claim 29, wherein said querying and getting ready are performed by a scheduled modality.

31. (New) A system for getting ready for a task assigned by a Digital Image Communication in Medicine (DICOM) modality worklist, comprising:

10/697,183

APPLICANTS: Gal Shachor
SERIAL NO.: 10/697,183
FILED: October 30, 2003
Page 9

means for querying a hospital information system (HIS) or radiology information system (RIS) relating to at least one task which a DICOM modality worklist, generated by said HIS or RIS, has scheduled at least one modality to perform; and

means for getting ready for said task.

32. (New) A computer program product comprising a computer useable medium having computer readable program code embodied therein for getting ready for a task assigned by a Digital Image Communication in Medicine (DICOM) modality worklist, the computer program product comprising:

computer readable program code for causing the computer to query a hospital information system (HIS) or radiology information system (RIS) relating to at least one task which a DICOM modality worklist, generated by said HIS or RIS, has scheduled at least one modality to perform ; and

computer readable program code for causing the computer to get ready for said task.

10/697,183